

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 03/19363

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01S1/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 519 403 A (BICKLEY ROBERT H ET AL) 21 May 1996 (1996-05-21)	1,14,15, 20-28, 31-35
Y	the whole document	2,29,30 36
A	---	
Y	US 6 369 753 B1 (KING THOMAS MICHAEL ET AL) 9 April 2002 (2002-04-09)	2,29,30
A	abstract	1,21,27, 36
	column 3, line 8 -column 4, line 17 column 5, line 6 - line 14	

A	US 5 504 684 A (LAU CHUNG Y ET AL) 2 April 1996 (1996-04-02)	1,21,27, 36
	abstract	
	column 13, line 60 -column 14, line 16	

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

20 October 2003

Date of mailing of the international search report

27/10/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 389 291 B1 (TURETZKY GREGORY BRET ET AL) 14 May 2002 (2002-05-14) abstract column 3, line 46 -column 4, line 10 column 6, line 24 -column 8, line 23 -----	1,21,27, 36
A	US 5 874 914 A (KRASNER NORMAN F) 23 February 1999 (1999-02-23) cited in the application abstract -----	1
A	US 4 445 118 A (SENNOTT JAMES W ET AL) 24 April 1984 (1984-04-24) cited in the application abstract -----	1

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